

In the Claims

1. (Canceled)

2. (Canceled)

3. (New) A CD-ROM apparatus having an IDE interface built therein, wherein said CD-ROM drive apparatus is connected to an IDE interface of a personal computer as a master or a slave, and said CD-ROM drive is controlled by a CD-ROM software driver switching a drive selection bit in the IDE interface, so that said CD-ROM apparatus is selected by switching the drive selection bit only, independently from a BIOS of the personal computer.

4. (New) A personal computer comprising:

an IDE interface provided in a personal computer,

an IDE BUS connected to said IDE interface of said personal computer, and

a CD-ROM apparatus containing an IDE interface which can be directly connected to said IDE interface of said personal computer through said IDE BUS,

wherein said CD-ROM apparatus is connected to said IDE interface of said personal computer as a master or a slave, and said CD-ROM apparatus is selected by switching only a drive

selection bit in the IDE interface by a CD-ROM drive independently from a BIOS of the personal computer.

5. (New) A personal computer comprising:

- a CPU;
- a BUS controller connected to said CPU;
- a BUS connected to said BUS controller,
- a computer IDE interface connected to said BUS:
- an IDE BUS connected said IDE interface;
- a CD-ROM apparatus;
- a CD-ROM IDE interface contained in said CD-ROM apparatus and connected to said IDE BUS;
- a 1-bit drive selection bit in said computer IDE interface;

and

- a driver for CD-ROM, wherein said CD-ROM apparatus is selected by switching only said 1-bit drive selection bit by said driver for CD-ROM, independently from the BIOS of the personal computer,

whereby connection of said CD-ROM apparatus to the personal computer is simplified.

6. (New) A personal computer comprising:

- a CPU;
- a BUS controller connected to said CPU;
- a BUS connected to said BUS controller;

a computer IDE interface having a slave or master partition connected to said BUS;

an IDE BUS connected said computer IDE interface;

a CD-ROM apparatus capable of connected to the slave or master partition of said computer IDE interface through said IDE BUS;

a CD-ROM IDE interface contained in said CD-ROM apparatus and connected to said IDE BUS;

a 1-bit drive selection bit register in said computer IDE interface; and

a CD-ROM driver program, wherein said CD-ROM apparatus is selectively connected to the slave or master partition of the computer IDE interface according to a logic state of said 1-bit drive selection bit register controlled by said CD-ROM driver program independently from a BIOS of the personal computer,

whereby connection of said CD-ROM apparatus to the personal computer is simplified by eliminating the need for an interface card connector and an interface cable.